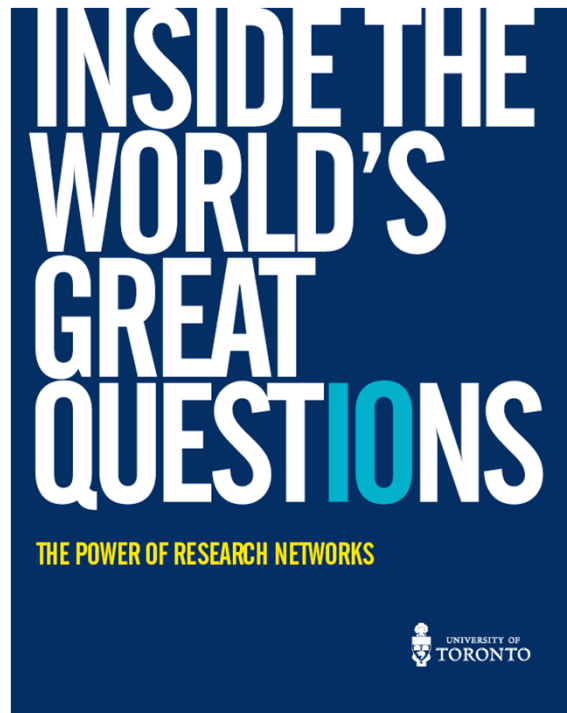




CHARTING A COURSE FOR GLOBAL IMPACT

Leveraging our Unique Strengths

Professor Paul Young, PhD, FRSC
Vice-President, Research & Innovation



May 1, 2014

BOUNDLESS



THE U of T DIFFERENCE

History

Nearly **200 years of research excellence** in all disciplines, generating civic returns for Canada and the world.

Culture

A **collaborative and entrepreneurial research culture** of faculty, post-doctoral fellows, graduate and undergraduate students, and highly trained staff.

Change

U of T research is a **driver of change** fuelled by a unique combination of **curiosity, discovery, invention and solution.**



VPRI: SUPPORTING RESEARCH EXCELLENCE

Research Services

2,800 New funding applications
9,000 Active accounts
800 Unique sponsors
2,000 Different programs

Oversight & Compliance

7,000 Financial reports
100 External audits
4,600 Ethics protocols reviewed

Innovations & Partnerships

150 Invention disclosures
60+ Companies created
\$19M in industry funding

EXCELLENCE, INNOVATION, LEADERSHIP: Strategic Research Plan 2012–2017



The **SRP** provides a **roadmap** to overcoming our challenges and increasing our competitiveness globally, and has been embraced by the U of T community.

CELEBRATING OUR SUCCESSES

Thanks to our incredible ecosystem of investigators, students and research partners,

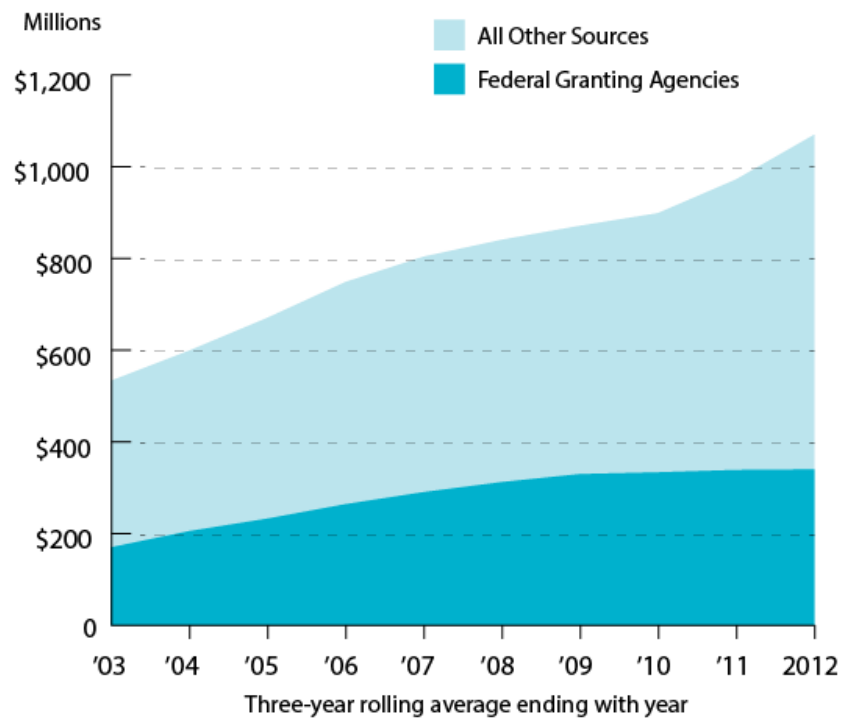
U of T attracted record research funding in 2011-12, and over the last decade we have increased our success in several key strategic areas.

RESEARCH FUNDING

U of T captured a **record \$1.2 billion in research funding** in 2011-12.

This continues a **steady upward trend** over the past 10 years.

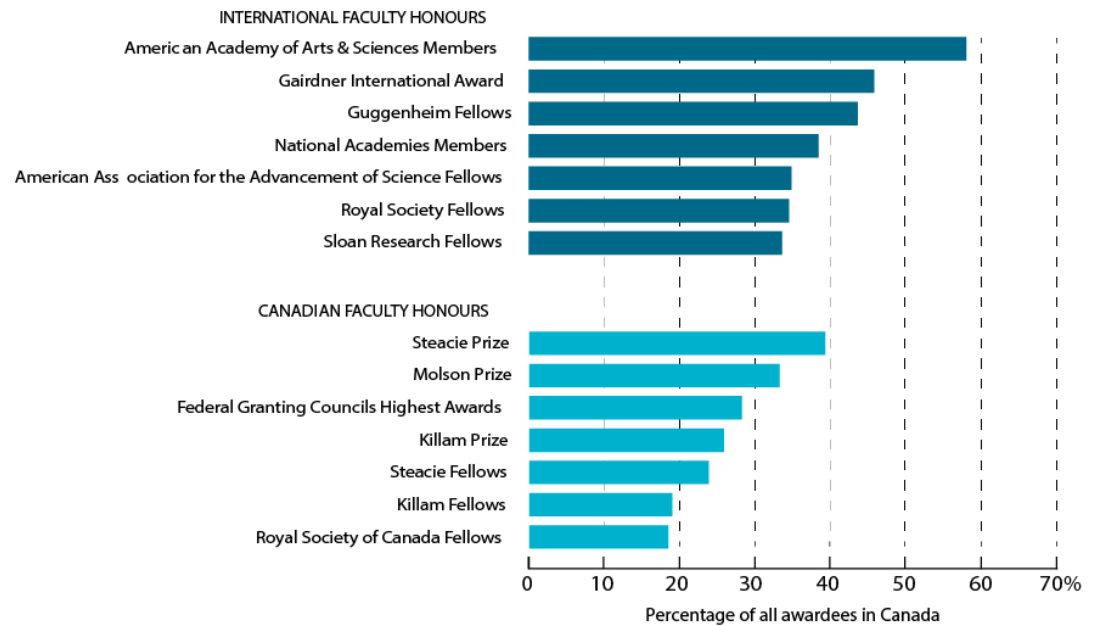
Research Funds Awarded –
Ten-Year Trend in Current Dollars
U of T and Partner Hospitals



AWARD-WINNING FACULTY

U of T faculty win more prestigious national and international awards than any other university in Canada.

Faculty Honours (1980-2013)



PUBLICATIONS & CITATIONS

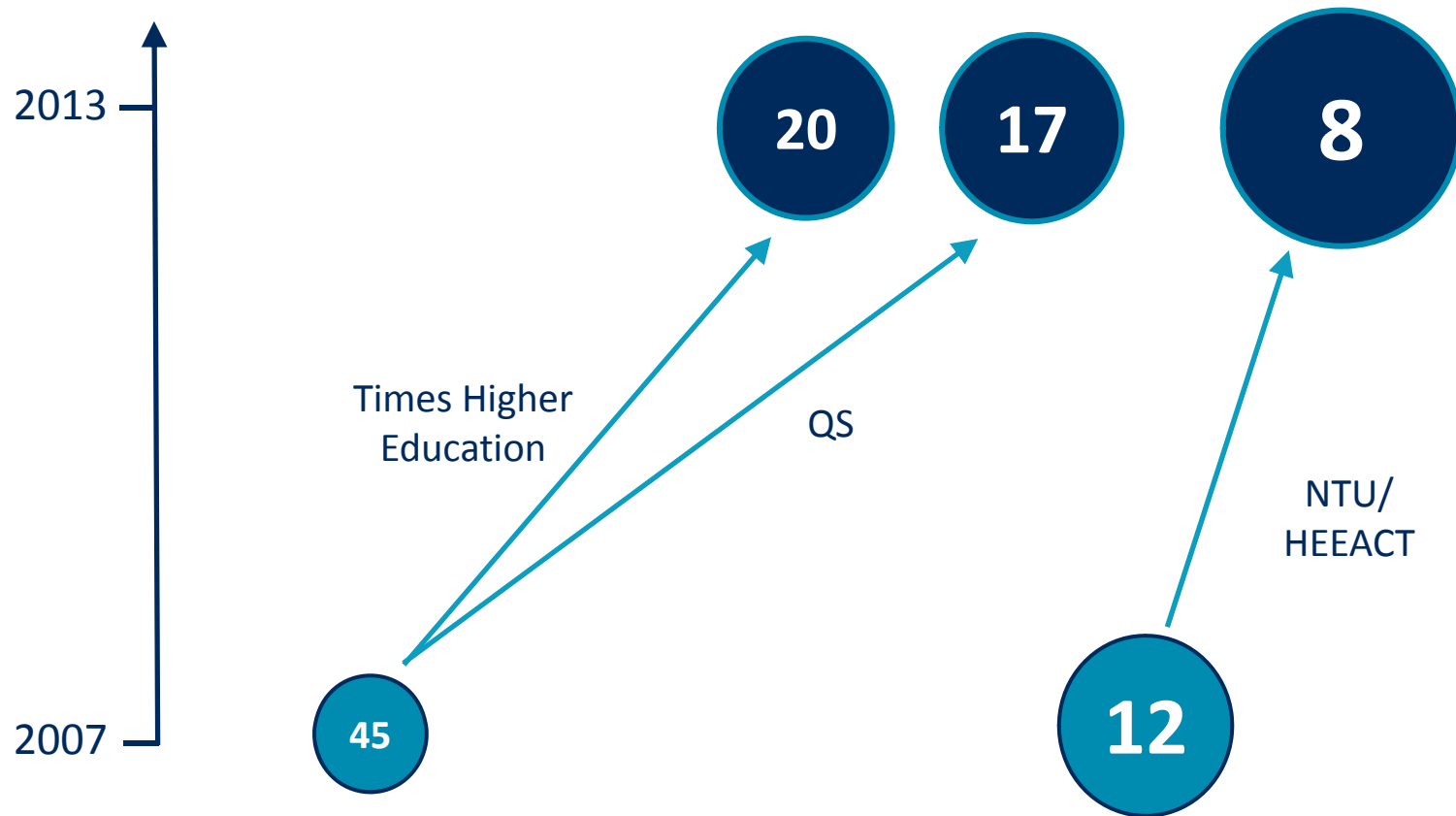
Research Output Compared to North American Peers (n = 76)

In the last decade, U of T has **improved four places** in our rank on citations compared to North American peers.

Compared to peer institutions globally, **U of T ranks second only to Harvard** on number of publications.

	2002–2006		2008–2012	
	Publications	Citations	Publications	Citations
All Fields	2	7	2	2
Health & Life Sciences	2	4	2	2
Engineering & Materials Sciences	10	11	10	10
Social Sciences	5	10	2	5

GLOBAL UNIVERSITY RANKINGS

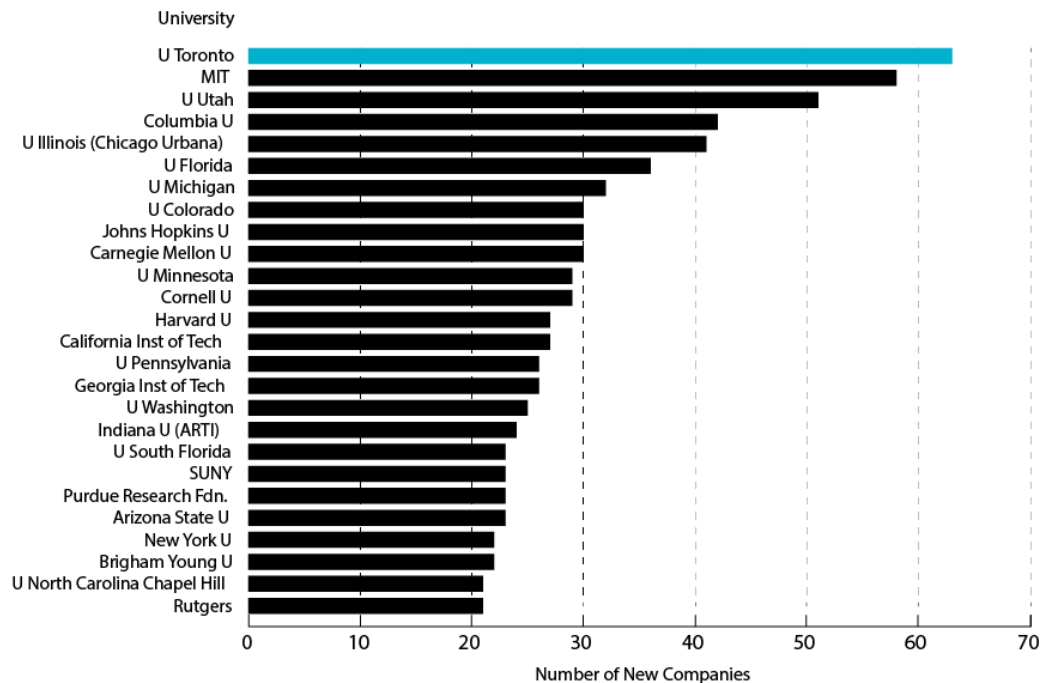


ENTREPRENEURISM & PARTNERSHIPS

For the first time,
U of T is **#1 in North America** for new start-ups.

Industry sponsored research is projected to double to \$25M in the current decade.

New Start-Up Companies (2009-10 to 2011-12)
U.S. & Canadian Universities



OVERCOMING KEY CHALLENGES

With an ongoing mandate to leverage and enhance our research mission,

We continue to make progress in addressing three key institutional challenges outlined in last year's annual report.

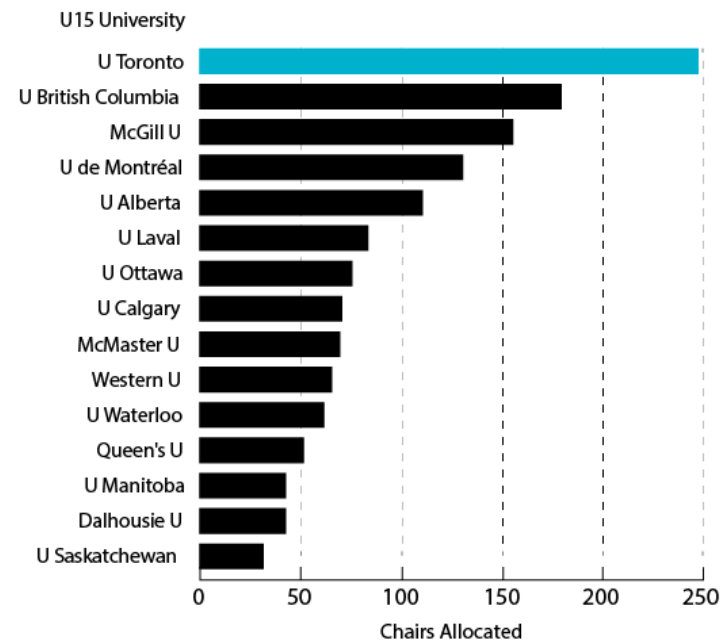


SUSTAINING CANADA RESEARCH CHAIRS

U of T has sustained
248 Chairs through 2013-14 but we cannot become complacent.

Goal: To achieve and maintain 250 CRCs.

Canada Research Chairs
 Regular Chairs Allocation (2013-14)
 U15 Universities





SAFEGUARDING THE UNIVERSITY

Key investments in Research Oversight & Compliance include:

**1. Prof. Lori Ferris, Associate Vice-President,
Research Oversight & Compliance**

This new position was created to manage risks associated with research and to improve processes and resources.

2. Dr. David Hanwell, University Regulatory Veterinarian

This new position will focus on regulatory compliance and oversight.

3. New tools for reporting and accountability

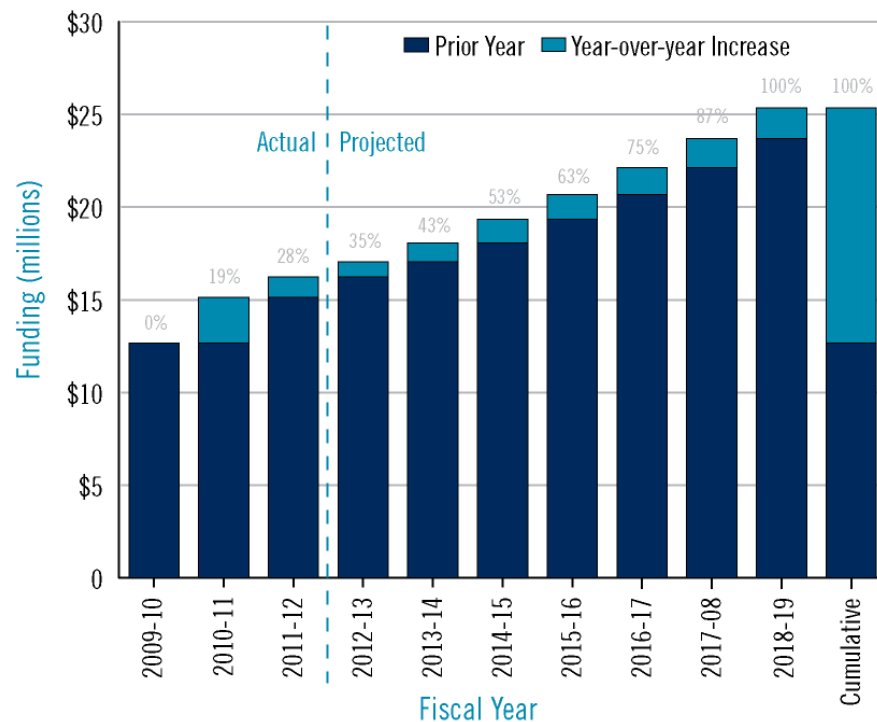
Project RAISE will implement modules for research ethics protocols.

STRENGTHENING RESEARCH PARTNERSHIPS

We are currently **ahead of schedule** in our goal to double our private-sector funding by 2018-19.

We are on track to becoming the **top university in Canada** for industry sponsored research.

Increasing Private Sector Funding Over Ten Years
Projected Increase in Corporate Funding of 100%

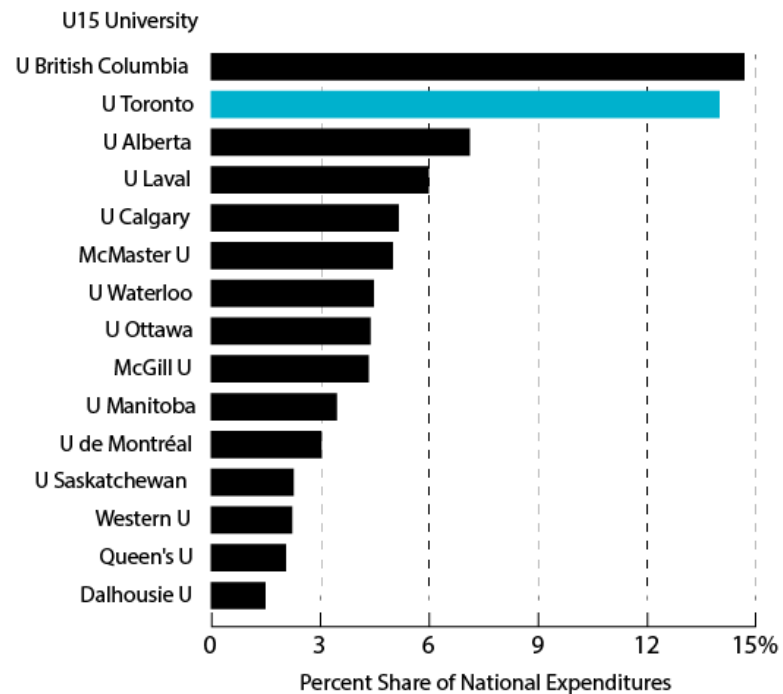


CASE STUDY: STRATEGIC FOCUS PAYS OFF

In 2007, U of T's funding from NCE reached a low of 10% of the national share.

With a strategic focus on expanding research partnerships, **today our share is 14%.**

Networks of Centres of Excellence
Expenditure (2009-10 to 2011-12)
U15 Universities






THE POWER OF RESEARCH NETWORKS

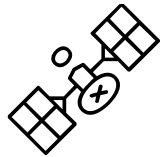
INSIDE THE
WORLD'S
GREAT
QUESTIONS

THE POWER OF RESEARCH NETWORKS

 UNIVERSITY OF
TORONTO

The image shows the cover of a book titled "Inside the World's Great Questions". The title is written in large, bold, white capital letters on a dark blue background. The word "QUESTIONS" is partially highlighted in a lighter blue color. Below the title, the subtitle "THE POWER OF RESEARCH NETWORKS" is written in smaller, yellow capital letters. At the bottom right of the cover, there is a small white logo of the University of Toronto, consisting of a crest and the text "UNIVERSITY OF TORONTO".

THE POWER OF RESEARCH NETWORKS



Explore



Advance



Build



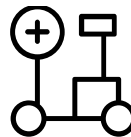
Promote



Sustain



Engage



Enable



UNIVERSITY OF
TORONTO



TWO YEARS OF IMPACTS



Key industrial partners:



Founding southern Ontario partner universities:



Joint research projects underway:



Projects with SME partners (matched by the Ontario Centres of Excellence):



Postdoctoral fellows providing research and technical expertise:



Related jobs created so far, doubling initial estimates:



LOOKING TO THE FUTURE

A key to achieving global impact will be leveraging the unique strengths of our research community,

While remaining committed to **supporting research excellence.**



CHALLENGES IN THE COMING YEAR

1. **Maintaining Canada Research Chairs**

We will soon realize our goal of 250 CRCs, but maintaining this level of funding will require a proactive strategy.

2. **Accessing partnerships funding and providing support for entrepreneurship**

Competition is fierce for partnerships programs funding; entrepreneurship is vibrant but could benefit from coordination.

3. **Remaining vigilant**

Meeting our ongoing obligations to research oversight and accountability will require continued vigilance.





THANK YOU:

To the **Principal Investigators, students, administrative staff** and **academic champions** who have stepped up and kept us on a positive course toward global impact.

BOUNDLESS